ARP-RP Mapping Profile Configuration Mode

The SGSN uses the ARP to RP mapping for a variety of reasons, such as choosing a preferred radio priority according to the ARP values sent by the GGSN and HLR. These mappings will be used by corresponding 2G and/or 3G services to choose the radio priority value sent in downlink messages towards the MS/UE:

- Activate PDP Accept.
- Modify PDP Request during network-initiated PDP modification procedure.
- Modify PDP Accept during MS-initiated PDP modification procedure provided the ARP has been changed by the network.

Command Modes

The commands in this mode configure the various parameters of the ARP-RP Mapping Profile.

Exec > Global Configuration > SGSN Global Configuration > ARP-RP Mapping Profile Configuration

configure > sgsn-global > qos-arp-rp-map-profile *arp-rp_prof_name*

Entering the above command sequence results in the following prompt:

`[local]`*`host_name`*`(config-arp-rp-map-profile-`*`arp-rp_prof_name`*`)#`

Important

The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

arp

This command modifies the ARP (allocation retention priority) to RP (radio priority) mapping in the ARP-RP Mapping Profile.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > SGSN Global Configuration > ARP-RP Mapping Profile Configuration

configure > **sgsn-global** > **qos-arp-rp-map-profile** *arp-rp_prof_name*

Entering the above command sequence results in the following prompt:

`[local]host_name(config-arp-rp-map-profile-arp-rp_prof_name)#`

Syntax Description

arp *arp_value* **radio-priority** *rp_value*

arp

Defines the allocation retention priority.

arp_value: Enter an integer from 1 to 3.

radio-priority

Defines the radio priority.

rp_value: Enter an integer from 1 to 4.

Usage Guidelines

When the ARP-RP Mapping Profile is created it includes default ARP-RP mapping:

- ARP1 RP4
- ARP2 RP4
- ARP3 RP4

The commands in this mode can be issued as needed to modify the mapping.

Use the **show sgsn-mode** command to display the ARP-RP profile and configuration.

Use the **radio-priority** keyword of the **sm** command in either the GPRS Service configuration mode or the SGSN Service configuration mode to associate the ARP-RP Mapping Profile with either of the service types.

Example

To change the radio priority from 4 to 2 for the allocation retention priority of 1, use the following command.

```
arp 1 rp 2
```

end

Exits the current configuration mode and returns to the Exec mode.

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

end

Usage Guidelines

Use this command to return to the Exec mode.

exit

Exits the current mode and returns to the parent configuration mode.

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

```
exit
```

Usage Guidelines

Use this command to return to the parent configuration mode.

exit